

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	20	((("5158005") or ("20030065250") or ("3976057") or ("1928368") or ("1340846")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/02 08:12
S2	2	("20070129653").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/02 08:30
S3	3269	actuator with spring with sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/02 12:32
S4	101	air with actuator with spring with sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/02 12:33
S5	15405951	S3 and "601"/.cc.s	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/02 12:33
S6	2	S3 and "601"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/02 12:33
S7	86	("0767008"   "2058563"   "2068578"   "2179903"   "2180173"   "2825563"   "2966905"   "3000632"   "3117786"   "3174343"   "3346877"   "3351156"   "3369403"   "3387843"   "3406406"   "3471145"   "3531112"   "3659846"   "3683897"   "3814419"   "3837432").PN. OR ("3976057").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:02
S8	1259	finger with actuator with pivot	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:04
S9	25	finger with actuator with pivot with hydraulic	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:04

S10	2	S8 and "601"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:04
S11	36	("3631542"   "3756222"   "3871646"   "4538595"   "4576148"   "4644938"   "4665900"   "4679548"   "4724827").PN. OR ("4875469").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:05
S12	2	("5159005").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/09 13:18
S13	2	("5158005").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/09 13:19
S14	22	((("5158005") or ("20030065250") or ("3976057") or ("1928368") or ("1340846") or ("4875469")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/22 13:17
S15	31	(McKibben with artificial with muscles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 13:48
S16	15	("4176662"   "4281646"   "4690131"   "5090259"   "5144848"   "5662587"   "5810717"   "6007482"). PN. OR ("6764441"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 13:52
S17	7	(McKibben with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 13:55
S18	87	("0767008"   "2058563"   "2068578"   "2179903"   "2180173"   "2825563"   "2966905"   "3000632"   "3117786"   "3174343"   "3346877"   "3351156"   "3369403"   "3387843"   "3406406"   "3471145"   "3531112"   "3659846"   "3683897"   "3814419"   "3837432").PN. OR ("3976057").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:00

S19	71	knee with foot with actuators!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:01
S20	148	601/5.ccls.	USPAT	OR	ON	2010/02/22 14:02
S21	4	("4615260"   "4733603"   "4751869"   "5662693"). PN. OR ("7299741"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:03
S22	79	knee with ankle with actuators!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:06
S23	2	knee with (brace) with (foot ankle) with actuators!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:10
S24	183	602/28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:11
S25	25	("0830894"   "1638285"   "3976059"   "4735196"   "4913135"   "4919118"   "5014690"   "5195947"   "5224925").PN. OR ("5542912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:13
S26	4	("1638285").URPN.	USPAT	OR	ON	2010/02/22 14:16
S27	53	ankle with actuators!	USPAT	OR	ON	2010/02/22 14:31
S28	10	("4557257"   "4697808"   "4711242"   "4760850"   "5020790"   "5054476"   "5476441"   "5961542"). PN. OR ("7190141"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:39
S29	25	("0830894"   "1638285"   "3976059"   "4735196"   "4913135"   "4919118"   "5014690"   "5195947"   "5224925").PN. OR ("5542912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:43
S30	6	knee with (brace) with (foot ankle) with actuators	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:43

S31	312	knee with (foot ankle) with actuators	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:44
S32	16	S31 and "601"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:44
S33	14	S31 and "602"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:44
S34	29	S32 S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 14:45
S35	2	("6602217").URPN.	USPAT	OR	ON	2010/02/22 14:51
S36	24	("2439100"   "2525237"   "2536454"   "2874690"   "3859991"   "4329982"   "5112296").PN. OR ("5382224").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:53
S37	15	("3304937").URPN.	USPAT	OR	ON	2010/02/22 14:55
S38	17	("2531486").URPN.	USPAT	OR	ON	2010/02/22 14:56
S39	31	("1402282"   "2531486"   "2536454"   "2584010"   "3527202"   "3527209"   "3713437"   "3741203"   "3986501"   "4102337"   "4329982"   "4566447"   "4790300"   "4817589"   "4949711"   "4955370"   "5139479").PN. OR ("5277699").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 14:58
S40	2	("5158005").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/22 15:10
S41	4	("4615260"   "4733603"   "4751869"   "5662693"). PN. OR ("7299741"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 15:11

S42	7	(McKibben with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:12
S43	299	(McKibben and spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:12
S44	50	(McKibben and spring) and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:12
S45	52	S42 S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:12
S46	10	((("5,474,485") or ("5,351,602") or ("5,185,932") or ("5,021,064") or ("4,739,692")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/22 15:17
S47	1	S46 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:18
S48	100	("0489193"   "0536512"   "0712601"   "2047377"   "2230138"   "2373455"   "2483088"   "2489799"   "2544119"   "2545947"   "2549119"   "2578854"   "2696010"   "2698499"   "2704556"   "2733506"   "2844126"   "3050152"   "3229590"   "3587233"   "3594942"   "3662405"   "3830519"   "3864983"   "3945867"   "4078670"   "4109381"   "4356554"   "4359821"   "4369814"   "4379335"   "4393728"   "4494417"   "4615260"   "4683669"   "4702148"   "4734983"   "4739692"   "4751868"   "4751869"   "4759737"   "4760645"   "4784042"   "4801239"   "4819547"   "4841845"   "5014600"   "5090297"   "5104346"   "5129279").	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 15:20

		PN. OR ("4739692"   "5021064"   "5185932"   "5351602"   "5474485"). URPN.				
S49	42	S48 and spring	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 15:21
S50	2	("20070129653").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/22 15:39
S51	162	muscle with spring with adjust\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:40
S52	5	S51 and "601"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:48
S53	955	muscle and spring with adjust\$4 with tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:49
S54	71	S53 and "601"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:49
S55	157	(orthotic orthosis brace) with spring with adjust\$4 with tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/22 15:53
S56	25	("0830894"   "1638285"   "3976059"   "4735196"   "4913135"   "4919118"   "5014690"   "5195947"   "5224925").PN. OR ("5542912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 16:04
S57	25	("2477591"   "2516872"   "3064644"   "4485808"   "4657000"   "4771768"   "4834078"   "4934355"). PN. OR ("5014690"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/22 16:05
S58	5	((("4922901") or ("3842828"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/22 16:16

S59	8	((("2536454") or ("4739692") or ("6067892")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/24 08:08
S60	31	(US-20030065250-\$ or US-20050028237-\$ or US-20070129653-\$).did. or (US-3976057-\$ or US-1928368-\$ or US-4875469-\$ or US-7481782-\$ or US-6764441-\$ or US-7299741-\$ or US-6148824-\$ or US-1638285-\$ or US-2536454-\$ or US-5542912-\$ or US-6602217-\$ or US-5399155-\$ or US-5382224-\$ or US-2531486-\$ or US-2439100-\$ or US-5277699-\$ or US-5158005-\$ or US-5474485-\$ or US-4739692-\$ or US-6168634-\$ or US-6067892-\$ or US-4784042-\$ or US-6223648-\$ or US-5645521-\$ or US-5891061-\$ or US-4955370-\$).did. or (US-5014690-\$).did. or (US-2536454-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/24 08:12
S61	9	S60 and (drag drop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/24 08:13
S62	0	S60 and (mckisson and walk\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/24 08:14
S63	0	S60 and (mckesson and walk\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/24 08:14
S64	0	S60 and (mckibbon and walk\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/24 08:14

S65	2	S60 and (mckibben and walk\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/24 08:14
S66	8	((("2536454") or ("4739692") or ("6067892")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 08:18
S67	15	((("2536454")).URPN.	USPAT	OR	ON	2010/08/12 08:25
S68	0	(actuator (artifucial adj muscle)) with knee with foot	USPAT	OR	ON	2010/08/12 08:27
S69	0	(actuator (artificial adj muscle)) with knee with foot	USPAT	OR	ON	2010/08/12 08:27
S70	0	(actuator (artificial adj muscle)) and knee with foot	USPAT	OR	ON	2010/08/12 08:27
S71	83	(actuator (artificial adj muscle)) with knee with foot	USPAT	OR	ON	2010/08/12 08:27
S72	49	(("20020094919"   "20020183673"   "20020188238"   "20030009308"   "20030062241"   "20030093021"   "20030115031"   "20030144620"   "20030212356"   "20040049290"   "20040049291"   "20040054423"   "20040064195"   "20050070834"   "3358678"   "3969773"   "4628916"   "4711242"   "4821707"   "4872665"   "5038763"   "5133773"   "5144943"   "5252102"   "5282460"   "5395304"   "5472412"   "5476441"   "5547464"   "5658242"   "5662693"   "5683353"   "5728172"   "5772619"   "5888212"   "5954678"   "5961541"   "6080123"   "6113642"   "6117097"   "6171272"   "6174294"   "6379393"   "6471664"   "6500138"   "6517503"   "6834752").PN. OR ("7578799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/12 08:29



S73	2	("5158005").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 08:53
S74	2	("20030065250").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 08:58
S75	6	mckibben with (actuator muscle) with spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/12 09:00
S76	5	((("2000078381") or ("6192886"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 09:17
S77	5	("2004022147").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 09:19
S78	3	("2000078381").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 09:26
S79	2	("20080047561").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 09:42
S80	0	baffle with vent with spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/12 09:48
S81	49	baffle with vent with spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/12 09:48
S82	59250	"128"/.ccds. vent with spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/12 09:52
S83	0	"128"/.ccds. and ]vent with spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/12 09:52

S84	37	"128"/.ocls. and vent with spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/12 09:52
S85	9	("2313999").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 10:02
S86	8	((("5961541") or ("6478652") or ("20030065250") or ("5158005")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/16 15:24
S87	10	((("5961541") or ("6478652") or ("4739692") or ("6067892") or ("5158005")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/01/25 08:22
S88	2	("20030065250").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/01/25 08:40

**EAST Search History (Interference)**

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**1/ 27/ 2011 11:22:32 AM****C:\ Documents and Settings\ kmatter\ My Documents\ EAST\ Workspaces\ 10554415 muscle actuator.wsp**